

AUTHOR INDEX

- Abrams, L., see Keane, Jr., M. 361
 Agudo, A.L., see Cid, R. 327
 Ashok, B., see Choudary, B.M. 357
 Bakhshi, N.N., see Varma, R.L. 191
 Bell, A.T., see Reichmann, M.G. 315
 Beltramini, J.
 -- and Trimm, D.L.
 Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
 Beltramini, J.N., see Parera, J.M. 117
 Biswas, J.
 --, Do, D.D., Greenfield, P.F. and Smith, J.M.
 Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell. I. Theoretical development 217
 Biswas, J.
 --, Do, D.D., Greenfield, P.F. and Smith, J.M.
 Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell. II. Experimental study 235
 Biswas, J.
 --, Gray, P.G. and Do, D.D.
 The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
 Bitsi, G., see Jenner, G. 293
 Boitiaux, J.P.
 --, Cosyns, J. and Robert, E.
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
 Boitiaux, J.P.
 --, Cosyns, J. and Robert, E.
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
 Burattini, M., see Centi, G. 353
 Busca, G., see Ramis, G. 305
 Campbell, C.T.
 Comments on: the activity and state of the copper surface in methanol synthesis catalysts 367
 Centi, G.
 --, Burattini, M. and Trifiro, F.
 Oxi-condensation of n-pentane to phthalic anhydride 353
 Chinchin, G.C.
 Reply to "comments on the activity and state of the copper surface in methanol synthesis catalysts" 371
 Choudary, B.M.
 --, Reddy, N.P. and Ashok, B.
 Palladium catalyzed carbonylation of organic halides: the first example of carbonylation under solid-liquid phase transfer conditions 357
 Cid, R.
 --, Orellana, F. and Agudo, A.L.
 Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
 Corbin, D.R., see Keane, Jr., M. 361
 Cosyns, J., see Boitiaux, J.P. 145
 Cosyns, J., see Boitiaux, J.P. 169
 Cristiani, C., see Tronconi, E. 285
 De Jonge, J.P., see Gosselink, J.W. 337
 Do, D.D., see Biswas, J. 217
 Do, D.D., see Biswas, J. 235
 Do, D.D., see Biswas, J. 249
 Dyrek, K., see Grabowski, R. 103
 Ferlazzo, N., see Tronconi, E. 285
 Figoli, N.S., see Parera, J.M. 117
 Figoli, N.S., see Querini, C.A. 133
 Forzatti, P., see Tronconi, E. 285
 Fujitsu, H., see Mochida, I. 37
 Gier, T.E., see Keane, Jr., M. 361
 Gonzalez, R.D., see Narita, T. 185
 Gosselink, J.W.
 --, Schaper, H., de Jonge, J.P. and Stork, W.H.J.
 On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
 Grabowski, R.
 --, Sloczynski, J., Dyrek, K. and Labanowska, M.
 Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103

- Gray, P.G., see Biswas, J. 249
 Greenfield, P.F., see Biswas, J. 217
 Greenfield, P.F., see Biswas, J. 235
 Hondou, H., see Narita, T. 185
 Huang, Y.-J.
 -- and Schwarz, J.A.
 The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
 Huang, Y.-J.
 -- and Schwarz, J.A.
 The effect of catalyst preparation on catalytic activity. IV. The design of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59
 Ihm, S.-K., see Lee, D.-K. 85
 Inoue, M.
 --, Kurusu, A., Wakamatsu, H. and Inui, T.
 Thermal decomposition of $\text{IrCl}_4 \cdot (\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot \text{NaNO}_3$ salt mixture supported on alumina 203
 Inui, T., see Inoue, M. 203
 Jenner, G.
 -- and Bitsi, G.
 Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
 Jonge, J.P. de, see Gosselink, J.W. 337
 Kawaguchi, T.
 --, Nakagawa, J. and Wakasugi, T.
 Method of preparation of an activated carbon supported zinc acetate catalyst 23
 Keane, Jr., M.
 --, Sonnichsen, G.C., Abrams, L., Corbin, D.R., Gier, T.E. and Shannon, R.D.
 Selective synthesis of dimethylamine over small pore zeolites 361
 Kurusu, A., see Inoue, M. 203
 Labanowska, M., see Grabowski, R. 103
 Lee, D.-K.
 -- and Ihm, S.-K.
 Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
 Lombardo, E.A., see Miro, E.E. 275
 Lorenzelli, V., see Ramis, G. 305
 Mathews, J.F., see Varma, R.L. 191
 Matsuda, T., see Narita, T. 185
 Meng, H.
 -- and Sanger, A.R.
 Direct synthesis of ethylene/ethane from methane 347
 Miro, E.E.
 --, Lombardo, E.A. and Petunchi, J.O.
 Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
 Miura, H., see Narita, T. 185
 Miyazaki, T., see Mochida, I. 37
 Mochida, I.
 --, Miyazaki, T. and Fujitsu, H.
 Catalytic dehydrochlorination of propylene chlorohydrins into propylene oxide over CsCl/SiO_2 37
 Nakagawa, J., see Kawaguchi, T. 23
 Narita, T.
 --, Miura, H., Ohira, M., Hondou, H., Sugiyama, K., Matsuda, T. and Gonzalez, R.D.
 The effect of reduction temperature on the chemisorptive properties of $\text{Ru}/\text{Al}_2\text{O}_3$: effect of chlorine 2185
 Ng, S.H., see Varma, R.L. 191
 Ohira, M., see Narita, T. 185
 Orellana, F., see Cid, R. 327
 Parera, J.M.
 --, Querini, C.A., Beltramini, J.N. and Figoli, N.S.
 Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
 Parera, J.M., see Querini, C.A. 133
 Pasquon, I., see Tronconi, E. 285
 Petunchi, J.O., see Miro, E.E. 275
 Querini, C.A.
 --, Figoli, N.S. and Parera, J.M.
 Naphtha reforming on mono and bimetallic catalysts 133
 Querini, C.A., see Parera, J.M. 117
 Ramis, G.
 --, Busca, G. and Lorenzelli, V.
 FT-IR study of the reactivity of molybdenum oxide supported on titania 305
 Reddy, N.M., see Choudary, B.M. 357
 Reichmann, M.G.
 -- and Bell, A.T.
 The influence of preparation chemistry on the phase distribution of silica-supported titania 315
 Robert, E., see Boitiaux, J.P. 145
 Robert, E., see Boitiaux, J.P. 169
 Sanger, A.R., see Meng, H. 347

Schaper, H., see Gosselink, J.W. 337

Schwarz, J.A., see Huang, Y.-J. 45

Schwarz, J.A., see Huang, Y.-J. 59

Scurrall, M.S.

Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (review) 1

Shannon, R.D., see Keane, Jr., M. 361

Sloczynski, J., see Grabowski, R. 103

Smith, J.M., see Biswas, J. 217

Smith, J.M., see Biswas, J. 235

Sonnichsen, G.C., see Keane, Jr., M. 361

Stork, W.H.J., see Gosselink, J.W. 337

Sugiyama, K., see Narita, T. 185

Trifiro, F., see Centi, G. 353

Trimm, D.L., see Beltramini, J. 71

Tronconi, E.

--, Cristiani, C., Ferlazzo, N., Forzatti, P., Villa, P.L. and Pasquon, I.

Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285

Varma, R.L.

--, Bakhshi, N.N., Mathews, J.F. and Ng, S.H.

Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191

Villa, P.L., see Tronconi, E. 285

Wakamatsu, H., see Inoue, M. 203

Wakasugi, T., see Kawaguchi, T. 23

SUBJECT INDEX

- Adsorption**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Adsorption**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Adsorption**
 The effect of reduction temperature on the chemisorptive properties of Ru/Al₂O₃: effect of chlorine 185
- Adsorption**
 Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Adsorption**
 Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell I. Theoretical development 217
- Adsorption**
 Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell II. Experimental study 235
- Adsorption**
 Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Adsorption**
 FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Adsorption**
 On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
- Ageing**
 Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Alcohol synthesis**
 Thermal decomposition of IrCl₄ - (NH₄)₆Mo₇O₂₄ - NaNO₃ salt mixture supported on alumina 203
- Alcohol synthesis**
 Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285
- Amine carbonylation**
 Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
- Aromatisation**
 Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Aromatization**
 Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (Review) 1
- Butadiene hydrogenation**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Butadiene hydrogenation**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Butene hydrogenation**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Butene hydrogenation**
 Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169

- Butene oxidation
FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Butyne hydrogenation
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Butyne hydrogenation
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Caesium chloride/silica
Catalytic dehydrochlorination of propylene chlorohydrins into propylene oxide over CsCl/SiO_2 37
- Carbon deposition
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Carbon deposition
The effect of catalyst preparation on catalytic activity: IV. The design of NiAl_2O_3 catalysts prepared by incipient wetness 59
- Carbon monoxide hydrogenation
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Carbon monoxide hydrogenation
The effect of catalyst preparation on catalytic activity: IV. The design of NiAl_2O_3 catalysts prepared by incipient wetness 59
- Carbon monoxide hydrogenation
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Carbon monoxide hydrogenation
Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Carbon monoxide hydrogenation
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H_2 285
- Carbonylation
Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
- Carbonylation
Palladium catalyzed carbonylation of organic halides: the first example of carbonylation under solid-liquid phase transfer conditions 357
- Catalyst characterization
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Catalyst characterization
The effect of catalyst preparation on catalytic activity: IV. The design of NiAl_2O_3 catalysts prepared by incipient wetness 59
- Catalyst characterization
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Catalyst characterization
Oxidation of propene over silica supported $\text{MoO}_3\text{-CoO}$, $\text{MoO}_3\text{-NiO}$ and $\text{MoO}_3\text{-MnO}$ catalysts 103
- Catalyst characterization
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Catalyst characterization
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H_2 285
- Catalyst characterization
FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Catalyst characterization
Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
- Catalyst characterization
On the applicability of dynamic oxygen chemisorption: a

- contribution from an industrial point of view 337
- Catalyst deactivation
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Catalyst design
The effect of catalyst preparation on catalytic activity: IV. The design of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59
- Catalyst preparation
Method of preparation of an activated carbon supported zinc acetate catalyst 23
- Catalyst preparation
Catalytic dehydrochlorination of propylene chlorohydrins into propylene oxide over CsCl/SiO_2 37
- Catalyst preparation
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Catalyst preparation
The effect of catalyst preparation on catalytic activity: IV. The design of NiAl_2O_3 catalysts prepared by incipient wetness 59
- Catalyst preparation
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Catalyst preparation
The effect of reduction temperature on the chemisorptive properties of $\text{Ru}/\text{Al}_2\text{O}_3$: effect of chlorine 2185
- Catalyst preparation
Thermal decomposition of $\text{IrCl}_4 - (\text{NH})_4\text{Mo}_7\text{O}_{24} - \text{NaNO}_3$ salt mixture supported on alumina 203
- Catalyst preparation
Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Catalyst preparation
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H_2 285
- Catalyst preparation
The influence of preparation chemistry on the phase distribution of silica-supported titania 315
- Catalyst preparation
Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
- Catalyst preparation
Selective synthesis of dimethylamine over small pore zeolites 361
- Chlorine
The effect of reduction temperature on the chemisorptive properties of $\text{Ru}/\text{Al}_2\text{O}_3$: effect of chlorine 2185
- Chromium oxide
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H_2 285
- Cobalt-molybdenum/alumina
On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
- Cobalt-molybdenum/zeolite
Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
- Cobalt-nickel/zirconia
Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Cobalt/zeolite
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Coke deposition
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Coke formation
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Coke formation
Oxidation of propene over silica supported $\text{MoO}_3\text{-CoO}$, $\text{MoO}_3\text{-NiO}$ and $\text{MoO}_3\text{-MnO}$ catalysts 3103
- Coke formation
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Coke formation
Naphtha reforming on mono and bimetallic catalysts 133
- Continuous preparation
Method of preparation of an activated carbon supported zinc acetate catalyst 23

- Copper reduction
Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Copper-zinc oxide/alumina
Comments on: the activity and state of the copper surface in methanol synthesis catalysts 367
- Copper-zinc oxide/alumina
Reply to "Comments on the activity and state of the copper surface in methanol synthesis catalysts" 371
- Copper/alumina
Comments on: the activity and state of the copper surface in methanol synthesis catalysts 367
- Copper/alumina
Reply to "Comments on the activity and state of the copper surface in methanol synthesis catalysts" 371
- Copper/mordenite
Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Cyclisation
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Cyclopentane reforming
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Dehydrochlorination
Catalytic dehydrochlorination of propylene chlorohydrins into propylene oxide over CsCl/SiO_2 37
- Dehydrogenation
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Diffusion cell
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell I. Theoretical development 217
- Diffusion cell
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell II. Experimental study 235
- Dynamic oxygen chemisorption
On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
- Ethane synthesis
Direct synthesis of ethylene/ethane from methane 347
- Ethylene synthesis
Direct synthesis of ethylene/ethane from methane 347
- Fischer-Tropsch synthesis
Thermal decomposition of $\text{IrCl}_4 \cdot (\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot \text{NaNO}_3$ salt mixture supported on alumina 203
- Fluidized catalysts
Method of preparation of an activated carbon supported zinc acetate catalyst 23
- Hydrocarbon reforming
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Hydrodesulphurization
Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
- Hydrodesulphurization
On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
- Hydrogasification
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Hydrogenation
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Hydrogenation
The effect of catalyst preparation on catalytic activity: IV. The design of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59
- Hydrogenation
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Hydrogenation
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Hydrogenation
Liquid phase hydrogenation of unsaturated hydrocarbons on

- palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Hydrogenation
Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Hydrogenation
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Hydrogenation
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285
- Iridium-molybdenum/alumina
Thermal decomposition of IrCl₄ - (NH₄)₆Mo₇O₂₄ - NaNO₃ salt mixture supported on alumina 203
- Isomerisation
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Kinetics
Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (Review) 1
- Kinetics
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Kinetics
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Kinetics
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Kinetics
Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Kinetics
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Kinetics
Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Kinetics
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285
- Kinetics
Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
- Kinetics
On the applicability of dynamic oxygen chemisorption: a contribution from an industrial point of view 337
- Kinetics
Selective synthesis of dimethylamine over small pore zeolites 361
- Lead/alumina
Direct synthesis of ethylene/ethane from methane 347
- Lead/zeolite
Direct synthesis of ethylene/ethane from methane 347
- Lineout phenomenon
The reformer lineout phenomenon and its fundamental importance to catalyst deactivation 249
- Maleic anhydride
FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Maleic anhydride
Oxi-condensation of n-pentane to phthalic anhydride 353
- Manganese oxide
Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285
- Methane conversion
Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (Review) 1
- Methane oxidation
Direct synthesis of ethylene/ethane from methane 347
- Methanol synthesis
Comments on: the activity and state of the copper surface in methanol synthesis catalysts 367
- Methanol synthesis
Reply to "Comments on the

- activity and state of the copper surface in methanol synthesis catalysts" 371
- Methylamine synthesis
Selective synthesis of dimethylamine over small pore zeolites 361
- Molybdenum-Cobalt/silica
Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103
- Molybdenum-Manganese/silica
Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103
- Molybdenum-Nickel/silica
Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103
- Molybdenum/titania
FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Mordenites
Kinetics of the reduction of Cu-mordenite with carbon monoxide 275
- Naphtha reforming
Naphtha reforming on mono and bimetallic catalysts 133
- Nickel/alumina
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Nickel/alumina
The effect of catalyst preparation on catalytic activity: IV. The design of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59
- Oxidation
Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (Review) 1
- Oxidation
Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103
- Oxidation
FT-IR study of the reactivity of molybdenum oxide supported on titania 305
- Oxidation
Direct synthesis of ethylene/ethane from methane 347
- Oxidation
Oxi-condensation of n-pentane to phthalic anhydride 353
- Palladium
Palladium catalyzed carbonylation of organic halides: the first example of carbonylation under solid-liquid phase transfer conditions 357
- Palladium/alumina
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Palladium/alumina
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Pentane oxidation
Oxi-condensation of n-pentane to phthalic anhydride 353
- Phase transfer
Palladium catalyzed carbonylation of organic halides: the first example of carbonylation under solid-liquid phase transfer conditions 357
- Phthalic anhydride
Oxi-condensation of n-pentane to phthalic anhydride 353
- Platinum / alumina
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Platinum-germanium/alumina
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Platinum-germanium/alumina
Naphtha reforming on mono and bimetallic catalysts 133
- Platinum-rhenium-sulphur/alumina
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Platinum-rhenium-sulphur/alumina
Naphtha reforming on mono and bimetallic catalysts 133
- Platinum/alumina
Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117
- Platinum/alumina
Naphtha reforming on mono and bimetallic catalysts 133

- Platinum/alumina
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Platinum/alumina
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Platinum/silica
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145
- Porosity
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell II. Experimental study 235
- Porous catalysts
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell I. Theoretical development 217
- Product analysis
Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Propene oxidation
Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103
- Propylene chlorohydrins
Catalytic dehydrochlorination of propylene chlorohydrins into propylene oxide over CsCl/SiO_2 37
- Raman spectroscopy
The influence of preparation chemistry on the phase distribution of silica-supported titania 315
- Reduction temperature
The effect of reduction temperature on the chemisorptive properties of $\text{Ru/Al}_2\text{O}_3$: effect of chlorine 185
- Reforming catalysts
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Reforming catalysts
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell I. Theoretical development 217
- Reforming catalysts
Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell II. Experimental study 235
- Rhodium/alumina
Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169
- Ruthenium
Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
- Ruthenium-cobalt
Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293
- Ruthenium/alumina
The effect of reduction temperature on the chemisorptive properties of $\text{Ru/Al}_2\text{O}_3$: effect of chlorine 185
- Selectivity
The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni/Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45
- Selectivity
The effect of catalyst preparation on catalytic activity: IV. The design of NiAl_2O_3 catalysts prepared by incipient wetness 59
- Selectivity
Activity, selectivity and coking over mono- and bi-metallic reforming catalysts 71
- Selectivity
Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85

Selectivity

Oxidation of propene over silica supported MoO_3 -CoO, MoO_3 -NiO and MoO_3 -MnO catalysts 103

Selectivity

Activity, selectivity and stability of bimetallic catalysts in n-paraffin and cyclopentane reforming 117

Selectivity

Naphtha reforming on mono and bimetallic catalysts 133

Selectivity

Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part I: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on platinum 145

Selectivity

Liquid phase hydrogenation of unsaturated hydrocarbons on palladium, platinum and rhodium catalysts. Part II: kinetic study of 1-butene, 1,3-butadiene and 1-butyne hydrogenation on rhodium; comparison with platinum and palladium 169

Selectivity

Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191

Selectivity

Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H_2 285

Selectivity

Ruthenium- and ruthenium-cobalt-promoted carbonylation of primary and secondary amines 293

Selectivity

FT-IR study of the reactivity of molybdenum oxide supported on titania 305

Selectivity

Direct synthesis of ethylene/ethane from methane 347

Selectivity

Oxi-condensation of n-pentane to phthalic anhydride 353

Selectivity

Selective synthesis of dimethylamine over small pore zeolites 361

Surface area

Comments on: the activity and state of the copper surface in methanol synthesis catalysts 367

Surface area

Reply to "Comments on the activity and state of the copper surface in methanol synthesis catalysts" 371

Temperature programmed decomposition

Thermal decomposition of IrCl_4 - $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}$ - NaNO_3 salt mixture supported on alumina 203

Temperature programmed desorption

The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45

Temperature programmed desorption

The effect of catalyst preparation on catalytic activity: IV. The design of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59

Temperature programmed reduction

The effect of catalyst preparation on catalytic activity: III. The catalytic activity of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 45

Temperature programmed reduction

The effect of catalyst preparation on catalytic activity: IV. The design of $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts prepared by incipient wetness 59

Thermodynamics

Prospects for the direct conversion of light alkanes to petrochemical feedstocks and liquid fuels (Review) 1

Tin/alumina

Direct synthesis of ethylene/ethane from methane 347

Tin/zeolite

Direct synthesis of ethylene/ethane from methane 347

Titania/silica

The influence of preparation chemistry on the phase distribution of silica-supported titania 315

Transport properties

Evaluation of bidisperse transport properties of a reforming catalyst using a diffusion cell I. Theoretical development 217

Transport properties

Evaluation of bidisperse transport properties of a

- reforming catalyst using a diffusion cell II. Experimental study 235
- Vanadyl pyrophosphate
 - Oxi-condensation of n-pentane to phthalic anhydride 353
- Vinyl acetate synthesis
 - Method of preparation of an activated carbon supported zinc acetate catalyst 23
- Zeolites
 - Hydrogenation of carbon monoxide over cobalt containing zeolite catalysts 85
- Zeolites
 - Induction periods for synthesis of hydrocarbons from syngas over metal/zeolite catalysts using a two stage process 191
- Zeolites
 - Effect of cobalt on stability and hydrodesulfurization activity of molybdenum containing Y zeolites 327
- Zeolites
 - Selective synthesis of dimethylamine over small pore zeolites 361
- Zinc acetate / carbon
 - Method of preparation of an activated carbon supported zinc acetate catalyst 23
- Zinc oxide
 - Synthesis of alcohols from carbon oxides and hydrogen. V. Catalytic behaviour of pure Cr, Zn, Mn oxides towards CO/H₂ 285

